

CLAIMS

We claim:

1 1. A terminal cover for a molded case circuit breaker having a load
2 end enclosing at least one electrical terminal and a line end enclosing at
3 least one electrical terminal, each of the circuit breaker's load and line
4 ends having an end wall defining at least one aperture for accessing the
5 respective electrical terminals, and a top surface defining at least one
6 aperture for accessing a terminal binding screw associated with each of
7 the electrical terminals and a bottom surface being generally parallel to the
8 top surface, said terminal cover comprising:

9 a terminal cover end wall, being generally flat and dimensioned to
10 cover said circuit breaker end wall, a top flange and a bottom flange being
11 generally perpendicular to and spaced apart by said end wall, said top and
12 bottom flanges each defining at least one means for attaching said
13 terminal cover to said molded case circuit breaker.

1 2. The terminal cover of claim 1, wherein said terminal cover end wall
2 defines at least one conductor knockout, whereby when removed said
3 conductor knockout provides an aperture for receiving at least one
4 electrical conductor to be connected to one of the electrical terminals.

1 3. The terminal cover of claim 2, wherein said at least one conductor
2 knockout can be a series of tangential or concentric knockouts, each
3 increasing in diameter to accommodate one or more electrical conductors

4 of larger diameter.

1 4. The terminal cover of claim 1, wherein said terminal cover end wall
2 further defines a means for increasing the over surface electrical
3 clearance between adjacent electrical phases of different polarity.

1 5. The terminal cover of claim 1, wherein said top flange further
2 defines at least one non-removable binding screw access cover for
3 selectively providing access to one terminal binding screw.

1 6. The terminal cover of claim 5, wherein said at least one non-
2 removable binding screw access cover is integrally attached to said top
3 flange by two pivot arms such that said binding screw access cover can
4 be rotated upwardly or downwardly to provide access to the terminal
5 binding screw.

1 7. The terminal cover of claim 1, wherein said top and bottom flanges
2 slidably and snugly engage the top and bottom surfaces, respectively, of
3 the molded case circuit breaker.

1 8. The terminal cover of claim 7, wherein said means for attaching
2 said terminal cover to the molded case circuit breaker includes at least
3 one member extending inwardly from each of said top and bottom flanges
4 such that a distal end of opposing said members positively engage
5 recesses defined in the top and bottom surfaces of the molded case circuit

6 breaker.

1 9. The terminal cover of claim 8, wherein said member defined by one
2 of said top or bottom flanges is hook-like in configuration such that a
3 protrusion defined by one of the top or bottom surfaces of the molded
4 case circuit breaker is positively engaged.

1 10. A load terminal cover for a molded case circuit breaker having load
2 terminals and apertures for accessing load terminal binding screws, said
3 load terminal cover comprising:
4 an end wall dimensioned to cover an end wall of said molded case
5 circuit breaker, a top flange and a bottom flange being approximately
6 perpendicular to and spaced apart by said end wall, said top flange and
7 bottom flange each defining at least one attachment means for attaching
8 said load terminal cover to said molded case circuit breaker, said top
9 flange further defining binding screw access covers for selectively
10 permitting or restricting unintentional access to said load terminal binding
11 screws.

1 11. The load terminal cover of claim 10, wherein said load terminal
2 cover end wall defines at least one conductor knockout, when removed
3 said conductor knockout provides an aperture for receiving at least one
4 load conductor to be connected to one of the load terminals.

1 12. The load terminal cover of claim 10, wherein said load terminal
2 cover end wall further defines a means for increasing the over surface
3 electrical clearance between adjacent electrical phases of different
4 polarity.

1 13. The load terminal cover of claim 10, wherein said binding screw
2 access covers are non-removable.

1 14. The load terminal cover of claim 13, wherein said non-removable
2 binding screw access covers are integrally attached to said top flange by
3 two pivot arms such that said binding screw access covers can be rotated
4 upwardly or downwardly to provide access to the load terminal binding
5 screws.

1 15. The load terminal cover of claim 10, wherein said top and bottom
2 flanges slidably and snugly engage the top and bottom surfaces,
3 respectively, of the molded case circuit breaker..

1 16. The load terminal cover of claim 15, wherein said means for
2 attaching said load terminal cover to the molded case circuit breaker
3 includes at least one member extending inwardly from each of said top
4 and bottom flanges such that a distal end of opposing said members
5 positively engage recesses defined in the top and bottom surfaces of the
6 molded case circuit breaker.

1 17. The load terminal cover of claim 16, wherein said member defined
2 by one of said top or bottom flanges is hook-like in configuration such that
3 a protrusion defined by one of the top or bottom surfaces of the molded
4 case circuit breaker is positively engaged.

1 18. A terminal cover for a molded case circuit breaker having a load
2 end enclosing at least one electrical terminal and a line end enclosing at
3 least one electrical terminal, each of the circuit breaker's load and line
4 ends having an end wall defining at least one aperture for accessing the
5 respective electrical terminals, and a top surface defining at least one
6 aperture for accessing a terminal binding screw associated with each of
7 the electrical terminals and a bottom surface being generally parallel to the
8 top surface, said terminal cover comprising:

9 a terminal cover end wall, being generally flat, dimensioned to
10 cover said circuit breaker end wall and defining at least one conductor
11 knockout for receiving an electrical conductor, a top flange and a bottom
12 flange being generally perpendicular to and spaced apart by said end wall,
13 said top and bottom flanges each defining at least one means for
14 positively engaging the top and bottom surfaces, respectively, of the
15 molded case circuit breaker for attaching said terminal cover to said
16 molded case circuit breaker.

1 19. The terminal cover of claim 18, wherein said at least one conductor
2 knockout can be a series of tangential or concentric knockouts, each
3 increasing in diameter to accommodate one or more electrical conductors
4 of larger diameter.